



1723/4

PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

124.00

Complete if Known

| | |
|----------------------|------------------------|
| Application Number | 09/724,815 |
| Filing Date | November 28, 2000 |
| First Named Inventor | Alexandre N. Terentiev |
| Examiner Name | Tony G. Soohoo |
| Group Art Unit | 1723 |
| Attorney Docket No. | 642-001 |

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit
Account
Number

11-0978

Deposit
Account
Name

King & Schickli PLLC

- ☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

- ☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|-------------------------------|-------------------------------|------------------------|----------|
| 101 740 | 201 370 | Utility filing fee | |
| 106 330 | 206 165 | Design filing fee | |
| 107 510 | 207 255 | Plant filing fee | |
| 108 740 | 208 370 | Reissue filing fee | |
| 114 160 | 214 80 | Provisional filing fee | |

SUBTOTAL (1) (\$)

0.00

2. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid | |
|--------------------|--------------|----------------|-----------|--|
| 127 | -20** = 3 | X 9 = 27 | | |
| Independent Claims | 22 | -3** = 1 | X 42 = 42 | |
| Multiple Dependent | | | | |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|-------------------------------|-------------------------------|--|
| 103 18 | 203 9 | Claims in excess of 20 |
| 102 84 | 202 42 | Independent claims in excess of 3 |
| 104 280 | 204 140 | Multiple dependent claim, if not paid |
| 109 84 | 209 42 | ** Reissue independent claims over original patent |
| 110 18 | 210 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$)

69.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|-------------------------------|-------------------------------|--|----------|
| 105 130 | 205 65 | Surcharge - late filing fee or oath | |
| 127 50 | 227 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 130 | 139 130 | Non-English specification | |
| 147 2,520 | 147 2,520 | For filing a request for ex parte reexamination | |
| 112 920* | 112 920* | Requesting publication of SIR prior to Examiner action | |
| 113 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action | |
| 115 110 | 215 55 | Extension for reply within first month | 55.00 |
| 116 400 | 216 200 | Extension for reply within second month | |
| 117 920 | 217 460 | Extension for reply within third month | |
| 118 1,440 | 218 720 | Extension for reply within fourth month | |
| 128 1,960 | 228 980 | Extension for reply within fifth month | |
| 119 320 | 219 160 | Notice of Appeal | |
| 120 320 | 220 160 | Filing a brief in support of an appeal | |
| 121 280 | 221 140 | Request for oral hearing | |
| 138 1,510 | 138 1,510 | Petition to institute a public use proceeding | |
| 140 110 | 240 55 | Petition to revive - unavoidable | |
| 141 1,280 | 241 640 | Petition to revive - unintentional | |
| 142 1,280 | 242 640 | Utility issue fee (or reissue) | |
| 143 460 | 243 230 | Design issue fee | |
| 144 620 | 244 310 | Plant issue fee | |
| 122 130 | 122 130 | Petitions to the Commissioner | |
| 123 50 | 123 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 180 | 126 180 | Submission of Information Disclosure Stmt | |
| 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | |
| 146 740 | 246 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 740 | 249 370 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 740 | 279 370 | Request for Continued Examination (RCE) | |
| 169 900 | 169 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

55.00

SUBMITTED BY

Name (Print/Type)

Andrew D. Dorjiso

Registration No.
(Attorney/Agent)

41,713

Complete (if applicable)

Telephone

859-252-0889

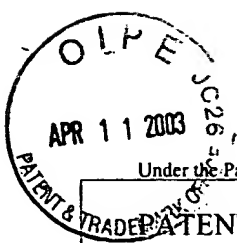
Signature

Date

4/4/03

WARNING: Information on this form may become public. Credit card information should not be included in this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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| | |
|--|--|
| PATENT APPLICATION FEE DETERMINATION RECORD | Application or Docket Number 642-001 |
|--|--|

| CLAIMS AS FILED - PART I | | | | SMALL ENTITY | | OR | | OTHER THAN SMALL ENTITY | |
|---|--------------|--------------|--------------|--------------|----------|----|-----------|-------------------------|-----|
| (Column 1) | | (Column 2) | | RATE | FEE | | | RATE | FEE |
| FOR | NUMBER FILED | NUMBER EXTRA | | | | | | | |
| BASIC FEE (37 CFR 1.16(a)) | | | | | \$355.00 | OR | | | \$ |
| TOTAL CLAIMS (37 CFR 1.16(c)) | | 124 | minus 20 = * | x \$ 9 = | 936.00 | OR | x \$ 18 = | | |
| INDEPENDENT CLAIMS (37 CFR 1.16(b)) | | 21 | minus 3 = * | x 42 = | 720 | OR | x 84 = | | |
| MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d)) | | | | + 140 = | | OR | + 280 = | | |
| | | | | TOTAL | 2,011 | OR | TOTAL | 0 | |

* If the difference in column 1 is less than zero, enter "0" in column 2

| CLAIMS AS AMENDED - PART II | | | | | | SMALL ENTITY | | OR | | OTHER THAN SMALL ENTITY | |
|-----------------------------|---|----------------------------------|-------|------------------------------------|---------------|--------------|-----------------|----|-----------|-------------------------|-----------------|
| (Column 1) | | (Column 2) | | (Column 3) | | RATE | ADDI-TIONAL FEE | | | RATE | ADDI-TIONAL FEE |
| AMENDMENT A | | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | | | | | | |
| | Total (37 CFR 1.16(c)) | * 124 | Minus | ** 124 | = 0 | x \$ 9 = | | OR | x \$ 18 = | | |
| | Independent (37 CFR 1.16(b)) | * 21 | Minus | *** 21 | = 0 | x 42 = | | OR | x 84 = | | |
| | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) | | | | | + 140 = | | OR | + 280 = | | |
| | | | | | | TOTAL | 0 | OR | TOTAL | 0 | |

| AMENDMENT B | | | | | | SMALL ENTITY | | OR | | OTHER THAN SMALL ENTITY | |
|-------------|---|----------------------------------|-------|------------------------------------|---------------|--------------|-----------------|----|-----------|-------------------------|-----------------|
| (Column 1) | | (Column 2) | | (Column 3) | | RATE | ADDI-TIONAL FEE | | | RATE | ADDI-TIONAL FEE |
| AMENDMENT B | | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | | | | | | |
| | Total (37 CFR 1.16(c)) | * 127 | Minus | ** 124 | = 3 | x \$ 9 = | 27 | OR | x \$ 18 = | | |
| | Independent (37 CFR 1.16(b)) | * 22 | Minus | *** 21 | = 1 | x 42 = | 42 | OR | x 84 = | | |
| | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) | | | | | + 140 = | | OR | + 280 = | | |
| | | | | | | TOTAL | 69 | OR | TOTAL | 0 | |

| AMENDMENT C | | | | | | SMALL ENTITY | | OR | | OTHER THAN SMALL ENTITY | |
|-------------|---|----------------------------------|-------|------------------------------------|---------------|--------------|-----------------|----|-----------|-------------------------|-----------------|
| (Column 1) | | (Column 2) | | (Column 3) | | RATE | ADDI-TIONAL FEE | | | RATE | ADDI-TIONAL FEE |
| AMENDMENT C | | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | | | | | | |
| | Total (37 CFR 1.16(c)) | * | Minus | ** | = | x \$ 9 = | | OR | x \$ 18 = | | |
| | Independent (37 CFR 1.16(b)) | * | Minus | *** | = | x 42 = | | OR | x 84 = | | |
| | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d)) | | | | | + 140 = | | OR | + 280 = | | |
| | | | | | | TOTAL | 0 | OR | TOTAL | 0 | |

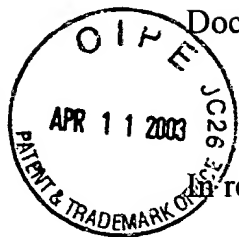
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Docket No. 642-001

Patent

#17/c
ac
4-19-03
Jed

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Re application

ALEXANDRE N. TERENTIEV

Ser. No. 09/724,815

Filed: November 28, 2000

For: PUMPING OR MIXING
SYSTEM USING A
LEVITATING MAGNETIC
ELEMENT, RELATED
SYSTEM COMPONENTS, AND
RELATED METHODS



Examiner Tony Soohoo

Group Art Unit 1723

RECEIVED
APR 15 2003
TC 1700

AMENDMENT

Commissioner of Patents
and Trademarks
Washington, DC 20231

04/14/2003 MBIZUNES 00000133 09724815
02 FC:2202 27.00 CH
03 FC:2201 42.00 CH

Dear Sir:

In response to the Office Action mailed on December 4, 2002, please make the following amendments to the application:

In the Claims

~~04/14/2003-MBIZUNES-00000133-09724815~~
~~01-FC:2251~~ ~~55.00-CH~~

Please amend claim 111 as follows:

111. (Amended) A method of levitating and rotating a magnetic pumping or mixing element for pumping or mixing a fluid, comprising:

placing the magnetic pumping or mixing element in the vessel;

levitating the magnetic pumping or mixing element using a superconducting

~~04/14/2003-MBIZUNES-00000133-09724815~~

~~02 FC:2202~~ ~~27.00-CH~~
~~03 FC:2201~~ ~~42.00-CH~~